

Divide a Mixed Number by a Fraction Using a Visual Model, Practice Set A

Name:

Date:

1. Solve each of the following using a visual model.

a. Mark has $2\frac{5}{8}$ cups of juice. If it takes $\frac{1}{4}$ cup of juice for each fruit smoothie, how many smoothies can he make? Use the bars below to help create your model.



b. The students at Lincoln Middle school are going to clean up a section of the beach measuring $3\frac{3}{4}$ miles. If each student can clean $\frac{3}{8}$ of a mile, how many

students

help?

below to

your



are needed to

Use the bars

help create

model.

c. The school orchestra was selling candy for a fundraiser. Joshua bought $2\frac{1}{2}$ pounds of candy and ate $\frac{1}{4}$ of it. How many pounds did he eat? Use the bars

below to

your



help create

model.

Divide a Mixed Number by a Fraction Using a Visual Model, Practice Set B

Name:

Date:

1. Solve each of the following using a visual model.

a. Julie is in training for a marathon and jogs a total of six miles every day. She jogs three-fourths of a mile at a time. How many times each day does she go for a run?

b. Becky had $2\frac{2}{3}$ pounds of chocolate to put into treat bags. She wanted to put $\frac{5}{6}$ pound of chocolate in each treat bag. How many treat bags could she make?

c. Megan has $3\frac{3}{4}$ yards of material to use to make headbands. If each headband takes $\frac{7}{8}$ yard of material, how many can she make?

2. One serving of minestrone soup is $1\frac{2}{3}$ cups. At a banquet, the cook makes 50 cups of soup. Is there enough soup to serve 35 people? Explain.

a. Write an equation for this situation.

b. Solve. Explain your answer.